

DETECTING RECEPTOR OLIGOMERIZATION

Abstract of the Invention

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Methods are provided for detecting formation of oligomeric complexes of molecules on the surface of cell membranes. These methods employ pairs of tagged probes and cleaving probes, each of which binds specifically to a cell surface molecule. The tagged probe includes a molecular tag that
10 is linked to a first binding compound through a cleavable linkage, and the cleaving probe includes a second binding agent and a cleavage-inducing moiety that can cleave the linkage when within a defined proximity thereto. Binding of the two probes to cell surface molecules that have formed an oligomeric complex results in release of the molecular tag from the binding compound, providing a measure of formation of the complex.